



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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8/18/90

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APPLICANT: CHARLES T. CASKEY, ET AL

EXAMINER:
A. Marschel.

TITLE: MULTIPLEX GEONOMIC DNA
AMPLIFICATION FOR DELETION
DETECTION

Hon. Commissioner of Patents
and Trademarks
Washington, D.C. 20231

RECEIVED GROUP 180

AUG 06 1990

AFFIDAVIT

Dear Sir:

BEFORE ME, the undersigned Notary, appeared JEFFREY S. CHAMBERLAIN, Ph.D., Assistant Professor, Department of Human Genetics, University of Michigan Medical School, Medical Science II M4708, Ann Arbor, Michigan 48109-0618 and one of the Applicants of the above-identified application.

Affiant states that the above-identified application as claimed in claims 1-8 was made by Charles T. Caskey, Richard A. L. Gibbs, Joel E. Ranier, Phi Nga Nguyen and himself prior to the publication of Kogan, et al, 317:985-990 (1987), New England Journal of Medicine. Affiant states further that they conceived of the multiplex assay prior to the Kogan publication and from their conception until the reduction of practice diligently worked on reducing the invention to practice. The enclosed documents are from research reports pre-dating the Kogan publication. The time in reducing the practice included designing the experiments, isolating and identifying human genomic clones, and obtaining required DNA sequence data, synthesizing the necessary probes and developing the necessary assays.


Affiant further states that he has no knowledge of and does not believe that, the invention has been in public use or on sale in this country or patented or disclosed in a printed publication in this or any foreign country for more than one year prior to the application and that he and the co-inventors have never abandoned the invention.

I hereby certify that this correspondence is being
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sioner of Patents and Trademarks, Washington D.C.

July 27, 1990
Thomas D. Paul
Notary of Application, or
Registered Representative

Signature: Chet Clark Date: 7/27/90

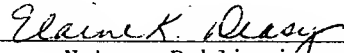
Affiant states that the research reports and lab material attached to this Affidavit show conception of the idea prior to the publication of Kogan, et al, and show that they have diligently worked to reduce the invention to practice.


JEFFREY S. CHAMBERLAIN, Ph.D.

THE STATE OF MICHIGAN
COUNTY OF Washtenaw

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This instrument was acknowledged by JEFFREY S. CHAMBERLAIN, Ph.D., on the 26th day of July, 1990.


Notary Public in and for
the State of Michigan

My Commission Expires:
July 18, 1992